

EAST Search History

| Ref # | Hits | Search Query | DBs | Default Operator | Plurals | Time Stamp |
|-------|------|--|---|------------------|---------|---------------------|
| L1 | 0 | (coin transport\$3 unit) and (separat\$3 roller unit) and (support\$3 roller unit) and (support\$3 member) and (flexible belt) | US-PGPUB; USPAT; FFRS; EPO; JPO; DERWENT; IBM_TDB | WITH | ON | 2009/05/21 11:23 |
| S1 | 2 | "5355988".pn. or "6086472".pn. | US-PGPUB; USPAT; JPO | AND | ON | 2006/11/30 14:39 |
| S2 | 1 | "20050042981" | US-PGPUB; USPAT; JPO | AND | ON | 2007/06/10 18:10 |
| S3 | 49 | 453/11.ccls. | US-PGPUB; USPAT; JPO | AND | ON | 2007/05/29 09:38 |
| S4 | 161 | 453/56.ccls. | US-PGPUB; USPAT; JPO | AND | ON | 2006/12/05 08:02 |
| S5 | 28 | S3 separat\$3 | US-PGPUB; USPAT; JPO | AND | ON | 2006/12/01 14:06 |
| S6 | 25 | S3 separat\$3 @py<"2004" | US-PGPUB; USPAT; JPO | AND | ON | 2006/12/01 14:06 |
| S7 | 47 | S4 separat\$3 @py<"2004" | US-PGPUB; USPAT; JPO | AND | ON | 2006/12/01 14:54 |
| S8 | 1 | "453"/\$.ccls. (pivotable with roller) (support\$2 with unit) @py<"2003" | US-PGPUB; USPAT; JPO | AND | ON | 2006/12/04 08:24 |
| S9 | 10 | "453"/\$.ccls. (pivotable with roller) @py<"2003" | US-PGPUB; USPAT; JPO | AND | ON | 2006/12/04 08:24 |
| S10 | 9 | S9 not S8 | US-PGPUB; USPAT; JPO | AND | ON | 2006/12/04 08:47 |
| S11 | 50 | (US-20050042981-\$ or US-20030032387-\$ or US-20030221933-\$ or US-20060070841-\$ or US-20060260905-\$).did. or (US-5722882-\$ or US-5913399-\$ or US-4607739-\$ or US-4850468-\$ or US-4949532-\$ or US-5326312-\$ or US-5557908-\$ or US-5899804-\$ or US-5989118-\$ or US-6112941-\$ or US-6761627-\$ or US-6899214-\$ or US-5355988-\$ or US-4396029-\$ or US-4976376-\$ or US-4993990-\$ or US-5910044-\$ or US-4558711-\$ or US-5279404-\$ or US-5427220-\$ or US-5542520-\$ or US-5579886-\$ or US-5597061-\$ or US-5634544-\$ or US-5697483-\$ or US-5860855-\$).did. or (US-5908351-\$ or US-6042471-\$ or US-6350192-\$ or US-4385481-\$ | US-PGPUB; USPAT | AND | ON | 2006/12/04 14:49 |

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|-----|-----|--|-----------------------------|-----|----|------------------|
| | | or US-4398550-\$ or US-6044139-\$ or US-6062560-\$ or US-6234469-\$ or US-6267663-\$ or US-3904021-\$ or US-3858380-\$ or US-4174047-\$ or US-4470730-\$ or US-4499984-\$ or US-4572225-\$ or US-4846333-\$ or US-4877179-\$ or US-4889245-\$ or US-4896481-\$).did. | | | | |
| S12 | 8 | "453"/\$.ccls. (separat\$3 adj roller) | US-PGPUB; USPAT; JPO | AND | ON | 2006/12/05 07:58 |
| S13 | 102 | "453"/\$.ccls. separating roller | US-PGPUB; USPAT; JPO | AND | ON | 2007/06/10 20:44 |
| S14 | 67 | "453"/\$.ccls. separating roller not S12 @py<"2003" | US-PGPUB; USPAT; JPO | AND | ON | 2006/12/05 07:58 |
| S15 | 9 | 453/56.ccls. @py<"2003" ((separat\$3 or reverse) near\$3 roller) | US-PGPUB; USPAT; JPO | AND | ON | 2006/12/05 08:02 |
| S16 | 9 | (US-20050042981-\$).did. or (US-6003652-\$ or US-5722882-\$ or US-5015214-\$ or US-5022890-\$ or US-5135433-\$ or US-5355988-\$ or US-6086472-\$ or US-4920730-\$).did. | US-PGPUB; USPAT | AND | ON | 2007/05/25 09:47 |
| S17 | 2 | S16 transverse | US-PGPUB; USPAT; USOCR; JPO | AND | ON | 2007/05/25 09:47 |
| S18 | 48 | (US-20050042981-\$ or US-20030032387-\$ or US-20030221933-\$ or US-20060070841-\$ or US-20060260905-\$).did. or (US-5722882-\$ or US-5913399-\$ or US-4607739-\$ or US-4850468-\$ or US-4949532-\$ or US-5326312-\$ or US-5557908-\$ or US-5899804-\$ or US-5989118-\$ or US-6112941-\$ or US-6761627-\$ or US-6899214-\$ or US-5355988-\$ or US-4396029-\$ or US-4976376-\$ or US-4993990-\$ or US-5910044-\$ or US-4558711-\$ or US-5279404-\$ or US-5427220-\$ or US-5542520-\$ or US-5579886-\$ or US-5597061-\$ or US-5634544-\$ or US-5697483-\$ or US-5860855-\$).did. or (US-5908351-\$ or US-6042471-\$ or US-6350192-\$ or US-4385481-\$ or US-4398550-\$ or US-6044139-\$ or US-6062560-\$ or US-6234469-\$ or US-6267663-\$ or US-3904021-\$ or US-3858380-\$ or US-4174047-\$ or US-4470730-\$ or US-4499984-\$ | US-PGPUB; USPAT | AND | ON | 2007/05/25 11:00 |

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| | | or US-4572225-\$ or US-4846333-\$ or US-4877179-\$ or US-4889245-\$ or US-4896481-\$) did. | | | | |
| S19 | 10 | S18 transverse | US-PGPUB; USPAT; USOCR; JPO | AND | ON | 2007/05/25 11:00 |
| S20 | 1 | "20050020199" | US-PGPUB; USPAT; JPO | AND | ON | 2007/05/29 08:27 |
| S21 | 1 | "20060019591" | US-PGPUB; USPAT; JPO | AND | ON | 2007/05/29 08:28 |
| S22 | 1 | "20060183418" | US-PGPUB; USPAT; JPO | AND | ON | 2007/05/29 08:28 |
| S23 | 1 | "6328646".pn. | US-PGPUB; USPAT; JPO | AND | ON | 2007/05/29 08:28 |
| S24 | 4 | ("4558711" "5207611").PN. OR ("6086472").URPN. | US-PGPUB; USPAT; USOCR | AND | ON | 2007/05/29 08:59 |
| S25 | 27 | ("0719459" "2792100" "3621854" "4342384" "4457320" "4462414" "4884992" "5059153").PN. OR ("5355988").URPN. | US-PGPUB; USPAT; USOCR | AND | ON | 2007/05/29 09:02 |
| S26 | 50 | 453/11.ccls. | US-PGPUB; USPAT; JPO | AND | ON | 2007/05/29 09:38 |
| S27 | 26 | S26 roller | US-PGPUB; USPAT; JPO | AND | ON | 2007/05/29 09:39 |
| S28 | 4 | S26 roller transverse | US-PGPUB; USPAT; JPO | AND | ON | 2007/05/29 09:44 |
| S29 | 18 | S26 roller (transverse or perpendicular or opposite) | US-PGPUB; USPAT; JPO | AND | ON | 2007/05/29 09:39 |
| S30 | 165 | 453/56.ccls. | US-PGPUB; USPAT; JPO | AND | ON | 2007/05/29 09:45 |
| S31 | 2 | S30 (transverse with roller) | US-PGPUB; USPAT; USOCR; JPO | AND | ON | 2007/05/29 09:45 |
| S33 | 77 | "453"/\$.ccls. (support adj surface) | US-PGPUB; USPAT; USOCR; JPO | AND | ON | 2007/05/30 11:26 |
| S34 | 31 | "453"/\$.ccls. (roller near4 adjust \$4) | US-PGPUB; USPAT; USOCR; JPO | AND | ON | 2007/05/30 14:16 |
| S35 | 586 | 271/274.ccls. | US-PGPUB; USPAT; USOCR; JPO | AND | ON | 2007/06/08 09:20 |
| S36 | 1923 | 198/608,611,626.4.ccls. | US-PGPUB; USPAT; USOCR; JPO | AND | ON | 2007/06/08 09:20 |
| S37 | 205 | S35 convey\$2 | US-PGPUB; USPAT; USOCR; JPO | AND | ON | 2007/06/08 09:21 |

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| S38 | 874 | S36 convey\$2 | US-PGPUB; USPAT; USOCR; JPO | AND | ON | 2007/06/08 09:21 |
| S39 | 5 | S36 (convey\$2 with (pinch or squeeze)) | US-PGPUB; USPAT; USOCR; JPO | AND | ON | 2007/06/08 09:22 |
| S40 | 16 | S35 (convey\$2 with (pinch or squeeze)) | US-PGPUB; USPAT; USOCR; JPO | AND | ON | 2007/06/08 09:22 |
| S41 | 180 | (S35 or S36) (roller with pivot \$4) convey\$2 | US-PGPUB; USPAT; USOCR; JPO | AND | ON | 2007/06/08 09:28 |
| S42 | 63 | (S35 or S36) (roller with pivot \$4) convey\$2 bias\$2 | US-PGPUB; USPAT; USOCR; JPO | AND | ON | 2007/06/08 09:28 |
| S43 | 15 | (S35 or S36) ((roller with pivot \$4) with bias\$2) convey\$2 | US-PGPUB; USPAT; USOCR; JPO | AND | ON | 2007/06/08 09:29 |
| S44 | 87 | "453"/\$.ccls. belt flexib\$5 | US-PGPUB; USPAT; JPO | AND | ON | 2007/06/10 18:11 |
| S45 | 61 | "453"/\$.ccls. belt flexib\$5 @py<"2003" | US-PGPUB; USPAT; JPO | AND | ON | 2007/06/10 18:11 |
| S46 | 11 | "453"/\$.ccls. (belt with flexib\$5) @py<"2003" | US-PGPUB; USPAT; JPO | AND | ON | 2007/06/10 18:11 |
| S47 | 6 | "453"/\$.ccls. ((separating with roller) with (mov\$4 or adjust \$4)) | US-PGPUB; USPAT; JPO | AND | ON | 2007/06/10 20:47 |
| S48 | 3 | "453"/\$.ccls. ((separating adj roller) with (mov\$4 or adjust\$4 or distance)) | US-PGPUB; USPAT; JPO | AND | ON | 2007/06/10 20:54 |
| S49 | 4 | "209"/\$.ccls. ((separating adj roller) with (mov\$4 or adjust\$4 or distance)) | US-PGPUB; USPAT; JPO | AND | ON | 2007/06/10 20:48 |
| S50 | 6 | "453"/\$.ccls. (separating adj roller) | US-PGPUB; USPAT; JPO | AND | ON | 2007/06/10 20:54 |
| S51 | 8 | ("4920730" "5015214" "5022890" "5135433" "5355988" "5722882" "6003652" "6086472").pn. | US-PGPUB; USPAT; USOCR; JPO | OR | ON | 2007/06/10 21:09 |
| S52 | 1 | "20050042981" | US-PGPUB; USPAT; USOCR; JPO | AND | ON | 2007/06/10 21:08 |
| S53 | 1 | "20040076544" | US-PGPUB; USPAT; USOCR; JPO | AND | ON | 2008/02/11 06:25 |
| S54 | 4668 | "453"/\$.ccls. | US-PGPUB; USPAT; USOCR; JPO | AND | ON | 2008/03/03 02:28 |
| S55 | 20989 | "194"/\$.ccls. | US-PGPUB; USPAT; USOCR; JPO | AND | ON | 2008/03/03 02:28 |

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| S56 | 94201 | "198"/\$.cds. | US-PGPUB; USPAT; USOCR; JPO | AND | ON | 2008/03/03 02:28 |
| S57 | 118966 | S54 or S55 or S56 | US-PGPUB; USPAT; USOCR; JPO | AND | ON | 2008/03/03 02:28 |
| S58 | 31 | S57 (resilient with support with under with belt) | US-PGPUB; USPAT; USOCR; JPO | AND | ON | 2008/03/03 02:29 |
| S59 | 4 | ("4558711" "5207611").PN. OR ("6086472").URPN. | US-PGPUB; USPAT; USOCR | AND | ON | 2008/03/03 02:31 |
| S60 | 0 | S56 (urethane adj rubber) (polyamide adj core) | US-PGPUB; USPAT; USOCR; JPO | AND | ON | 2008/03/03 02:38 |
| S61 | 0 | S56 (urethane with rubber) (polyamide with core) | US-PGPUB; USPAT; USOCR; JPO | AND | ON | 2008/03/03 02:38 |
| S62 | 12 | S56 (urethane with rubber) polyamide | US-PGPUB; USPAT; USOCR; JPO | AND | ON | 2008/03/03 02:38 |
| S63 | 33 | S56 urethane polyamide | US-PGPUB; USPAT; USOCR; JPO | AND | ON | 2008/03/03 02:43 |
| S64 | 21 | S63 not S62 | US-PGPUB; USPAT; USOCR; JPO | AND | ON | 2008/03/03 02:43 |
| S65 | 4 | ("4004467" "4504258" "5595284" "5685417").PN. OR ("6983826").URPN. | US-PGPUB; USPAT; USOCR | AND | ON | 2008/03/03 02:46 |
| S66 | 0 | S54 stripper | US-PGPUB; USPAT; USOCR; JPO | AND | ON | 2008/03/03 02:52 |
| S68 | 4668 | "453"/\$.cds. | US-PGPUB; USPAT; USOCR; JPO | AND | ON | 2008/03/03 04:07 |
| S69 | 29 | S68 stripper | US-PGPUB; USPAT; USOCR; JPO | AND | ON | 2008/03/03 04:07 |
| S70 | 9 | S68 (stripper with spring) | US-PGPUB; USPAT; USOCR; JPO | AND | ON | 2008/03/03 04:12 |

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| S71 | 21 | (US-20040134757-\$).did. or (US-5382191-\$ or US-6086472-\$ or US-5355988-\$ or US-6003652-\$ or US-5135433-\$ or US-4620807-\$ or US-6368204-\$ or US-4155440-\$ or US-3680853-\$ or US-5722882-\$ or US-5022890-\$ or US-5015214-\$ or US-4920730-\$ or US-4553663-\$ or US-5685417-\$ or US-5595284-\$ or US-4504258-\$ or US-4004467-\$ or US-6059650-\$).did. or (US-1863510-\$).did. | US-PGPUB; USPAT; USOCR | AND | ON | 2008/03/03 04:21 |
| S72 | 3 | S71 clutch | US-PGPUB; USPAT; USOCR; JPO | AND | ON | 2008/03/03 04:21 |
| S73 | 5 | S68 ((separat\$3 with (unit or roller)) with clutch) | US-PGPUB; USPAT; USOCR; JPO | AND | ON | 2008/03/03 04:26 |
| S75 | 232 | "271"/\$.ccls. ((separat\$3 with roller) with ((one adj way) with clutch)) | US-PGPUB; USPAT; USOCR; JPO | AND | ON | 2008/03/03 04:30 |
| S76 | 74 | "271"/121,122,125.ccls. ((separat\$3 with roller) with ((one adj way) with clutch)) | US-PGPUB; USPAT; USOCR; JPO | AND | ON | 2008/03/03 04:31 |
| S77 | 4 | ("4004467" "4504258" "5595284" "5685417").FN. OR ("6983826").URPN. | US-PGPUB; USPAT; USOCR | AND | ON | 2008/03/03 06:27 |
| S78 | 1 | S77 urethane | US-PGPUB; USPAT; USOCR | AND | ON | 2008/03/03 06:27 |
| S79 | 4 | ("4558711" "5207611").FN. OR ("6086472").URPN. | US-PGPUB; USPAT; USOCR | AND | ON | 2008/11/06 10:22 |
| S81 | 1 | "20050042981" | US-PGPUB; USPAT; USOCR; JPO | AND | ON | 2008/11/06 10:54 |
| S82 | 4716 | "453"/\$.ccls. | US-PGPUB; USPAT; USOCR; JPO | AND | ON | 2009/05/21 09:48 |
| S83 | 163 | "453"/9.ccls. | US-PGPUB; USPAT; USOCR; JPO | AND | ON | 2009/05/21 09:48 |
| S84 | 2837 | support member underneath | US-PGPUB; USPAT; FPRS; EPO; JPO; DERWENT; IBM_TDB | WITH | ON | 2009/05/21 10:17 |
| S85 | 0 | S82 S84 | US-PGPUB; USPAT; FPRS; EPO; JPO; DERWENT; IBM_TDB | WITH | ON | 2009/05/21 10:17 |

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| S86 | 39636 | flexible belt | US-PGPUB; USPAT; FPRS; EPO; JPO; DERWENT; IBM_TDB | WITH | ON | 2009/05/21 10:17 |
| S87 | 2 | S82 S84 | US-PGPUB; USPAT; FPRS; EPO; JPO; DERWENT; IBM_TDB | AND | ON | 2009/05/21 10:17 |
| S88 | 16 | S82 S86 | US-PGPUB; USPAT; FPRS; EPO; JPO; DERWENT; IBM_TDB | AND | ON | 2009/05/21 10:17 |
| S89 | 24 | ("4558712").FN. OR ("5135433").URPN. | US-PGPUB; USPAT; USOCR | AND | ON | 2009/05/21 10:50 |
| S90 | 35 | ("0719459" "2792100" "3621854" "4342384" "4457320" "4462414" "4558711" "4884992" "5059153" "5207611").FN. OR ("5355988" "6086472").URPN. | US-PGPUB; USPAT; USOCR | AND | ON | 2009/05/21 10:51 |

5/21/2009 11:27:12 AM

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